

2018 Current Fiscal Year Report: Advisory Committee for Mathematical and Physical Sciences

Report Run Date: 06/06/2019 12:08:11 AM

1. Department or Agency

National Science Foundation

2. Fiscal Year

2018

3. Committee or Subcommittee

Advisory Committee for Mathematical and Physical Sciences

3b. GSA Committee No.

66

4. Is this New During Fiscal Year?

No

5. Current Charter

06/29/2018

6. Expected Renewal Date

06/29/2020

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

ADM IV-100

13. Effective Date

10/01/1992

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Scientific Technical Program Advisory Board

16a. Total Number of Reports

No Reports for this Fiscal Year

17a. Open Meetings and Dates 2 17b. Closed Meetings and Dates 0 17c. Partially Closed Meetings and Dates 0 17d. Total Meetings and Dates 2

Purpose	Start	End
To provide advice and recommendations on policies, programs, activities, and long-range planning.	11/16/2017	11/17/2017
To provide advice and recommendations on policies, programs, activities, and long-range planning.	08/14/2018	08/15/2018

Number of Committee Meetings Listed: 2

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$20,360.00	\$20,971.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00
18a(3). Personnel Pmts to Federal Staff	\$8,708.50	\$8,970.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$5,543.52	\$5,710.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$0.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$0.00

18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$371.50	\$383.00
18d. Total	\$34,983.52	\$36,034.00
19. Federal Staff Support Years (FTE)	0.05	0.05

20a. How does the Committee accomplish its purpose?

The Advisory Committee provides the Directorate with valuable scientific, educational, and management advice for the purpose of enhancing the overall impact and performance of its programs in the mathematical and physical sciences. An important function of the Committee is to conduct oversight reviews of the impact, performance, and management of the programs in the mathematical and physical sciences. In FY 2018, the Committee continued to focus on strategic planning for mathematical and physical sciences.

20b. How does the Committee balance its membership?

Representation on the Committee is diverse and includes individuals from all MPS disciplines. The professional affiliations of Committee members include universities, industry, and other appropriate organizations. Members from the academic community typically include faculty and administrators from research universities and predominantly undergraduate institutions. Successful efforts have also been made to include on the Committee women and members of ethnic and racial groups traditionally underrepresented in the sciences.

20c. How frequent and relevant are the Committee Meetings?

A total of two meetings were held in FY 2018. Maintaining the Committee will allow for the continuation of advice to and oversight of Directorate programs.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

Given that the Committee is required to provide advice on priorities and opportunities across all the disciplines supported by the Directorate for Mathematical and Physical Sciences, it is a unique entity. There is no existing organization with the appropriate range of expertise and knowledge.

20e. Why is it necessary to close and/or partially closed committee meetings?

N/A

21. Remarks

N/A

Designated Federal Officer

Anne L Kinney Assistant Director, MPS

Committee Members	Start	End	Occupation	Member Designation
Awschalon, David	10/01/2017	09/30/2019	University of Chicago	Special Government Employee (SGE) Member
Brenner, Susanne	10/01/2016	09/30/2018	Louisiana State University & Agricultura	Special Government Employee (SGE) Member
Bryant, Robert	10/01/2016	09/30/2018	Duke University	Special Government Employee (SGE) Member
Bucksbaum, Philip	10/01/2017	09/30/2019	Stanford University	Special Government Employee (SGE) Member
Garcia-Garibay, Miguel	10/01/2017	09/30/2019	University of California Los Angeles	Special Government Employee (SGE) Member
Hillenbrand, Lynne	10/01/2016	09/30/2018	California Institute of Technology	Special Government Employee (SGE) Member
Hunt, Catherine	10/01/2017	09/30/2019	University of Virginia	Special Government Employee (SGE) Member
Lewis, Jennifer	10/01/2017	09/30/2019	Harvard University	Special Government Employee (SGE) Member
Millis, Andrew	10/01/2017	09/30/2019	Columbia University	Special Government Employee (SGE) Member
Pilachowski, Catherine	10/01/2017	09/30/2019	Indiana University	Special Government Employee (SGE) Member
Sanford, Melanie	10/01/2016	09/30/2018	University of Michigan Ann Arbor	Special Government Employee (SGE) Member
Zajc, William	10/01/2016	09/30/2018	Columbia University	Special Government Employee (SGE) Member

Number of Committee Members Listed: 12

Narrative Description

The NSF mission is set out in the NSF Act of 1950 that authorizes and directs the NSF to initiate and support: basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels in all fields of science and engineering. The MPS Advisory Committee provides advice to senior management within the Mathematical and Physical Sciences on activities related to the NSF strategic plan.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input checked="" type="checkbox"/>
Improved service delivery	<input type="checkbox"/>

Increased customer satisfaction
Implementation of laws or regulatory requirements
Other

☐
☐
☐

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None
Unable to Determine
Under \$100,000
\$100,000 - \$500,000
\$500,001 - \$1,000,000
\$1,000,001 - \$5,000,000
\$5,000,001 - \$10,000,000
Over \$10,000,000
Cost Savings Other

☐
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Cost Savings Comments

The use of the advisory committee to discuss activities of the directorate is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the directorate using alternative methods, such as hiring the expertise as full or part-time employees, would be extremely high.

What is the approximate Number of recommendations produced by this committee for the life of the committee?

47

Number of Recommendations Comments

0 New Recommendations for FY18. Total cumulative recommendations is 47 for this committee. The advisory committee provides comments on review activities such as Committee of Visitors and workshop reports within the MPS Directorate.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

79%

% of Recommendations Fully Implemented Comments

NA

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

11%

% of Recommendations Partially Implemented Comments

Some recommendations were deemed contrary to policy.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Through discussion and reporting at subsequent meetings of the advisory committee, and by posting updates to recommendations on the advisory committee website.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Action Comments

Initiation of workshops to study issues.

Is the Committee engaged in the review of applications for grants?

No

Grant Review Comments

This advisory committee does not make recommendations concerning approval of grants.

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO ☐

Online Agency Web Site
Online Committee Web Site
Online GSA FACA Web Site
Publications
Other



Access Comments

N/A